



60

SECONDS TO DESTINATION

MEDIATM

by **Magnavox**

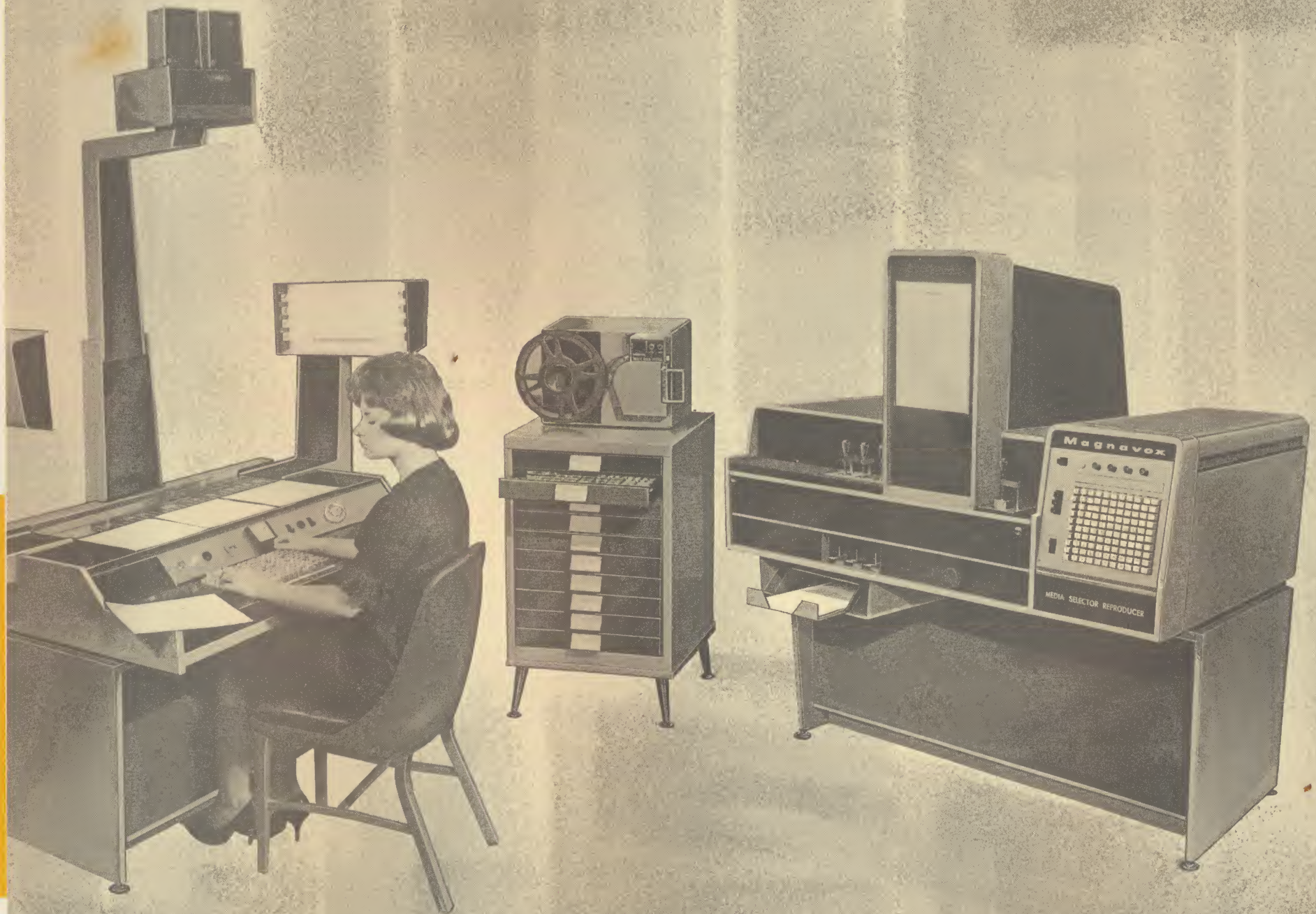
*an entirely new concept in high-speed
document storage and retrieval*

SPACE AGE
ELECTRONICS
AND MODERN
BUSINESS

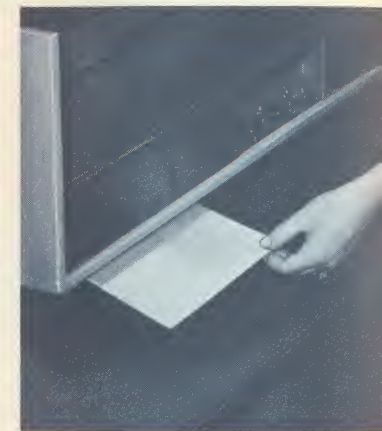
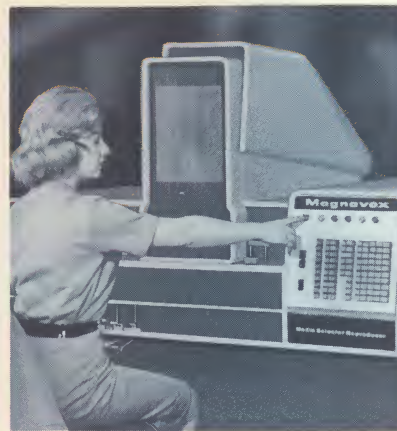
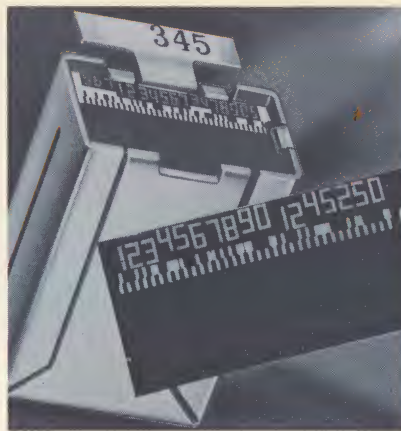
Our everyday acceptance of electronic processing of payrolls, customer accounts and other data makes it difficult to imagine a return to the business methods of half a century ago.

Yet to this day, industrial plants, service companies and government agencies continue to maintain cumbersome and expensive filing systems that are little better than those in use fifty years ago . . . systems that waste millions of square feet of floor space, squander thousands upon thousands of man-hours and result in untold numbers of costly and embarrassing errors.

Space age electronics and the Magnavox MEDIA system now make it possible to bring filing operations to the same level of efficiency as other modern business procedures, and do it at a price well within the reach of the average business concern.



60 seconds from request to copy.....



RETRIEVAL COUNTDOWN... A MIRACLE OF SPEED SCANNING

The basis of the MEDIA storage and retrieval system consists of tiny pieces of microfilm, called film cards, that contain up to three full-size pages reduced to one-thirtieth of their original size. These, together with a unique MEDIA coding system, permit you to retrieve and reproduce a full-size, black and white hard copy of any document from a file of as many as 30 million or more pages in just 60 seconds or less!

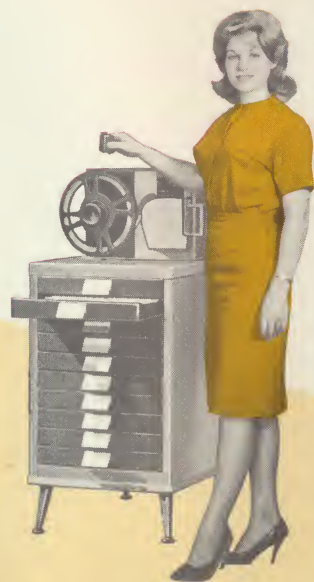


30,000,000 document pages in just 75 square feet!
AN ASTONISHING COMPARISON

The miracle of microphotography has many advantages in a modern, electronic filing system. One of the most dramatic is the amount of floor space saved in storing great numbers of documents.

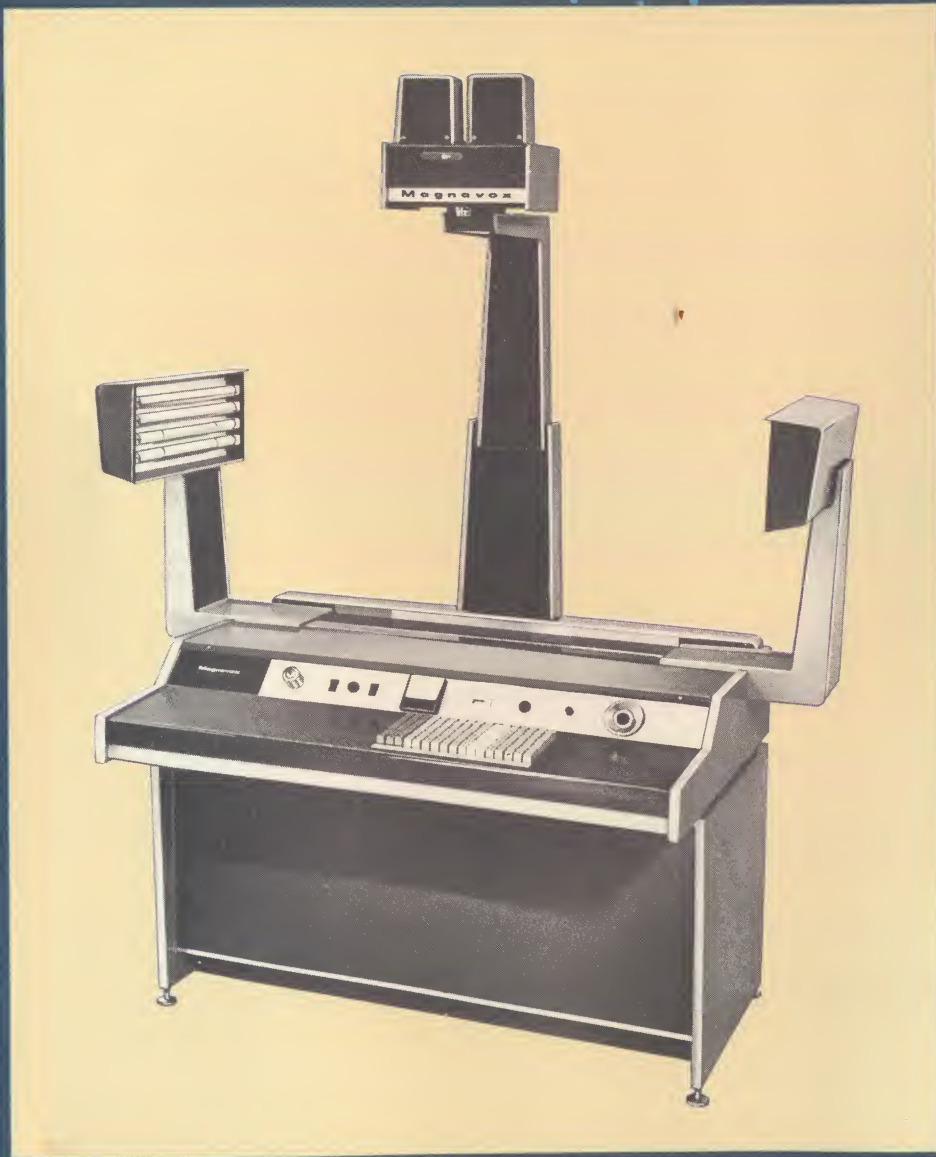
Measuring only 16mm wide by an inch and a quarter long, MEDIA film cards are placed in small capsules . . . 200 to a capsule . . . 1000 capsules to a cabinet. Thirty million documents photographed on these cards can be stored in just 50 compact MEDIA cabinets, requiring an area of only 75 square feet.

Compare this with the space required for the same number of conventional size pages. Filed in the regular manner, these would require no less than 2500 full-size four-drawer file cabinets, which would take up a total floor space of 7500 square feet!



*a new dimension in space....*THE

MEDIA



The First Step. When a document is ready to be filed, it is assigned its own individual document number which serves to separate and identify it from all other documents in the file.

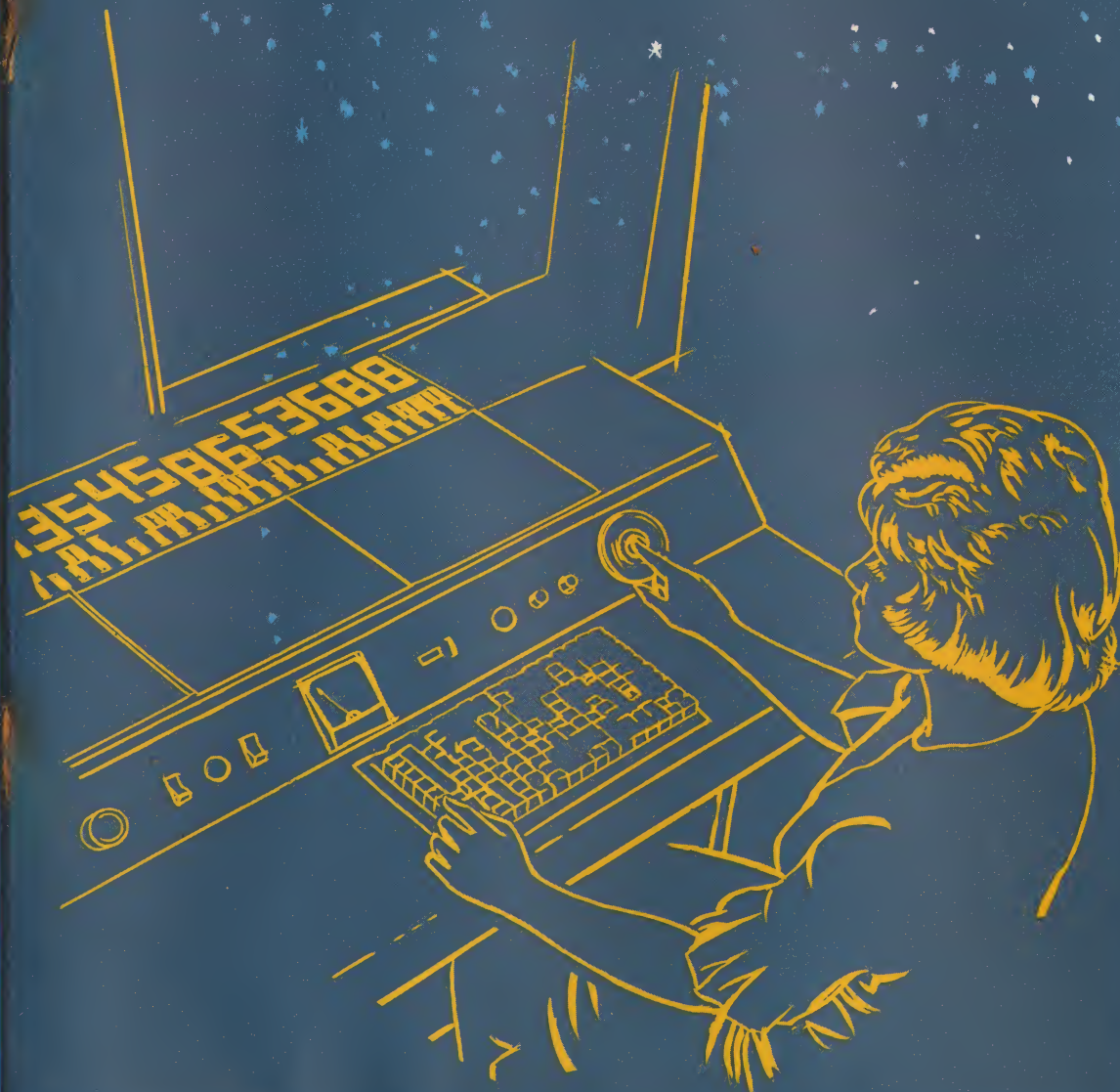
Upon receiving a series of documents for filing, the MEDIA Camera-Coder operator reads the number of the first document and keys this number on the Camera-Coder keyboard. This operation lights up two codes on the camera table—both of which will be photographed with the document: (1) An Arabic numeral that permits identifying the document visually, and (2) a special machine code that enables the system to automatically and electronically scan, retrieve and reproduce the document whenever it is called for.

The MEDIA film card utilizes a total of 17 digits. Any breakdown or combination of the 17 digit code can be made to meet specific business requirements. For example, the first three digits might be used to identify the branch office where the record originated, the next seven for the document number, two more for the date and the last five to identify the agent or salesman.

After keying in the document codes, the operator then positions the document pages on the document area and presses the "Expose" button. The Camera-Coder simultaneously photographs the document and the visual and machine codes and reduces them to one-thirtieth their original size on 16 mm microfilm. If there are additional pages in the document, the operator simply places them on the document area and photographs them without having to repeat the keying operation, since the document number remains keyed-in until you are ready to key in a new number for the next series of document pages. Since documents are normally photographed in numerical sequence, only the last two or three digits of each document number need to be keyed in for each series of documents.

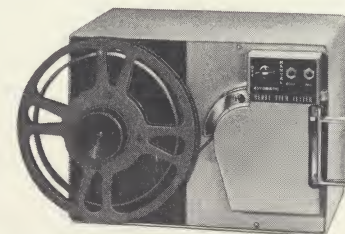
The MEDIA camera head, located on the central part of the Camera-Coder, utilizes 100 foot spools for 16mm film. When the roll has been exposed, it is removed and processed on a standard film processor. A duplicate film is made for filing and the original negative stored as a security file.

CAMERA — CODER



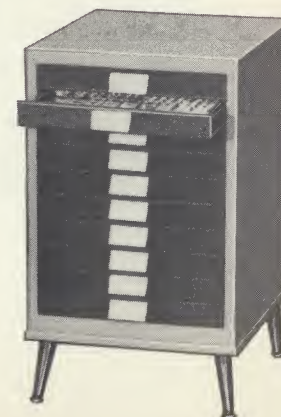
THE MEDIA FILM CUTTER

Once processed, the film duplicate is fed through the MEDIA Film Cutter. Here it is cut into tiny film cards at the rate of 200 cards per minute and automatically stacked into individual MEDIA Film Card Capsules which can be filed immediately. In the case of a supplementary random filing operation, the cutter feeds into a 500 card capacity magazine that permits updating by the manual filing of additional material into an already existing file.



THE MEDIA CABINET

Capsules containing the film cards are then placed in MEDIA cabinets where they are stored until needed. Since each capsule holds 200 cards with a maximum of three images per card, it is possible to store as many as 2000 film card capsules or 1,200,000 pages in just three square feet . . . the equivalent of 100 four-drawer file cabinets!



THE SELECTOR REPRODUCER... MEDIA



The MEDIA Selector-Reproducer makes it possible to retrieve and reproduce any document from a file of 30,000,000 pages or more, in 60 seconds or less. Electronic scanning of film cards takes place at the rate of ten per second and document reproduction is full-size, black and white and completely dry. Copies are reproduced in a matter of seconds in any quantity desired.

CONTROL CENTER

*Request to copy
in 60 seconds*



LOCATING DOCUMENT

To retrieve a document, the file clerk simply removes the capsule containing the desired document from the MEDIA cabinets.



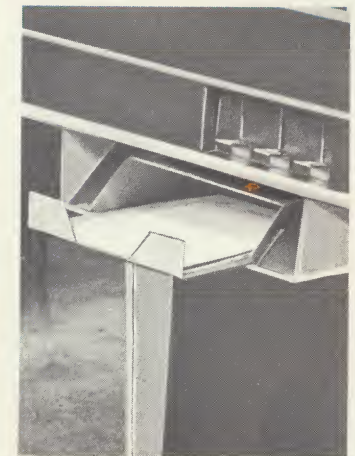
KEYING INFORMATION

Next, the operator places the MEDIA capsule in the feeding station of the Selector-Reproducer, keys the document number and presses the "Start" button.



VISUAL IDENTIFICATION

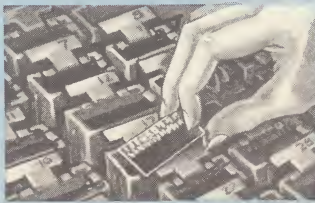
The document is automatically located and projected on the viewing screen of the Selector-Reproducer, giving the operator an opportunity to make a visual examination of the document.



A CLEAR HARD COPY (IF DESIRED)

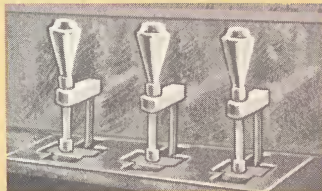
If required, the operator may then press the "Print" button and just seconds later a clear, full-size, completely dry black and white copy is in her hands. The film cards are then removed at the receiving station, where they were automatically replaced in the capsule.

THE TOTAL SYSTEM....ITS TOTAL SCOPE



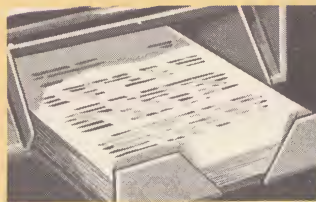
UPDATING

By simply adding new cards to the current file, any file can be kept up to date and the new information will automatically be retrieved along with previously filed material. Documents are completely at random within the capsule.



AUTOMATIC PURGING

Obsolete documents can be purged from a file automatically by simply setting up a desired purging date and running the film cards through the Selector-Reproducer. This may also be accomplished simultaneously with a retrieval search. All obsolete cards are automatically sent to a purge stacker, where you can discard them or place them in an inactive file.

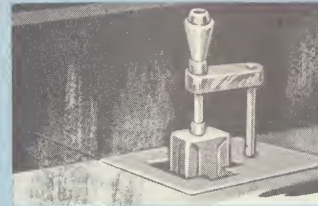


MULTIPLE COPIES

The MEDIA system will reproduce any number of copies . . . automatically. Number of copies is set up on the Selector-Reproducer keyboard.

MEDIA

by **Magnavox**



ABSOLUTE ACCURACY

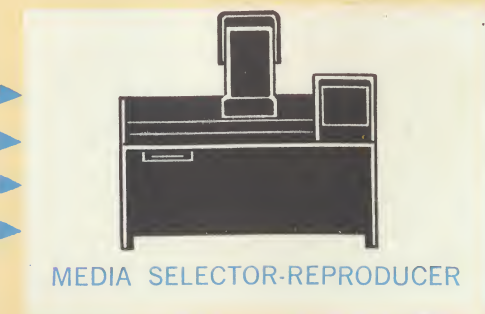
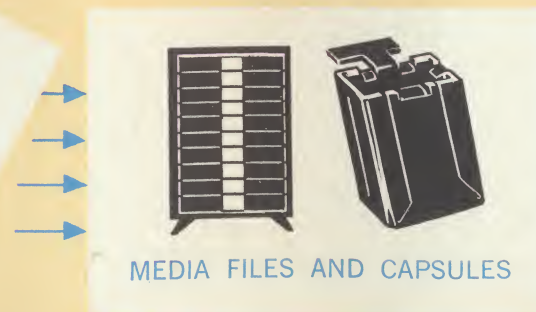
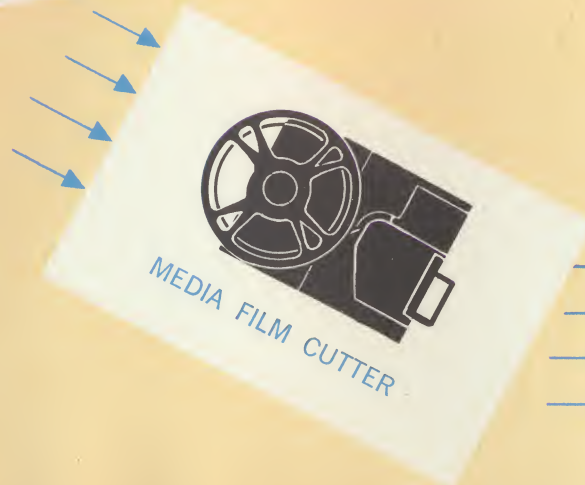
Simultaneous error checking is automatically accomplished by the Selector-Reproducer and any filing errors are detected and selected out for proper filing.



COMPLETELY INVIOLEATE FILE

No document need ever be removed from the file. Consequently, no document can be lost, misplaced or refiled inaccurately.

the simplicity of the **MEDIA** flow system



(1) The Camera-Coder photographs the documents to be filed and simultaneously codes them for automatic retrieval and visual identification. (2) The 16mm film used is then processed in a standard processing machine and (3) duplicated in a contact duplicator. (4) The processed film is cut into 1 1/4 inch film cards in the automatic MEDIA Film Cutter. (5) The film cards are filed in capsules that are stored and filed in MEDIA Cabinets. (6) The Selector-Reproducer automatically retrieves documents from these capsules and reproduces full-size black and white hard copies in whatever quantity desired.

for complete information on prices and lease plan

CONTACT

MEDIA SALES DEPARTMENT

THE **Magnavox** COMPANY FORT WAYNE, INDIANA

MEDIA SYSTEM

Equipment Schedule

<u>ITEM</u>	<u>SIZE & WT.</u>	<u>POWER</u> <u>117V. 60CPS</u>	<u>SALE</u> <u>PRICE</u>	<u>MONTHLY</u> <u>RENTAL</u>
Model CA-110 Camera	87" high 64" long 33" deep 420 pounds	8 AMP	\$ 8,500	\$270
Model CT-215-1 Cutter	12" high 20" long 11" deep 47 pounds	3.5 AMP	\$ 2,750	\$ 85
Model DU-700 Contact Duplicator	30" high 31" long 17" deep 200 pounds	2.5 AMP	\$ 3,600	\$125
Model SRV-1217 Selector-Reproducer - Viewer	55" high 53" long 33" deep 550 pounds	17 AMP	\$26,500	\$830

Supply Schedule

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PRICE</u>	<u>MINIMUM</u> <u>CHARGE</u>
964378-1	Negative Microfilm	\$ 4.55 per 100'	\$ 45.50
964384-1	Positive Print Film	\$ 19.60 per 1000'	\$ 39.20
Model CB-405	File Cabinets	\$250.00 each	\$250.00
Model CP-303	Capsules	\$.50 each	\$ 50.00

All prices FOB Urbana, Illinois

All prices must be increased by the amount of applicable State and/or Federal Taxes

Service contracts available for purchased equipment

Rental prices include complete service

MAGNAVOX SYSTEMS, INC.
Fort Wayne, Indiana

Prices in effect 1 April 1964